

REMARKS

At the outset, Applicants thank the Examiner for the thorough review and consideration of the subject application. The Non-Final Office Action of January 5, 2004 has been received and its contents carefully reviewed.

By the present amendment, Applicants hereby amend claims 1, 2, 5, 6, 8-13, and 15-19 and respectfully submit that no new matter has been entered.

In the Office Action, the Examiner objected to the drawings as failing to comply with 37 CFR § 1.84(p)(5) because they include reference signs not mentioned in the disclosure; rejected claims 8-11 and 15-18 under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement; rejected claims 1, 2, 5, 6, 12, 13, and 19 under 35 U.S.C. § 102(e) as being anticipated by Kwon (U.S. Patent No. 6,525,710); rejected claims 3, 4, 7, and 14 under 35 U.S.C. § 103(a) as being unpatentable over Kwon in view of Inoue et al. (U.S. Patent No. 5,345,250); and objected to claims 8-11 and 15-18 as being allowable if rewritten to overcome the rejection under 35 U.S.C. § 112, first paragraph, and to include all of the elements of the base claim and any intervening claims. These objections and rejections are traversed and reconsideration of the drawings and claims is respectfully requested in view of the amendments above and the remarks below.

Applicants appreciate the indication of allowable subject matter in claims 8-11 and 15-18.

In objecting to the drawings under 37 CFR § 1.84(p)(5), the Examiner stated that reference signs 40 and 42 in Figures 9 and 10 were not mentioned in the specification. As shown above, Applicants hereby amend the drawings to delete the objected-to reference signs and respectfully request withdrawal of the present objection to the drawings.

The rejection of claims 8-11 and 15-18 under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement, is respectfully traversed and reconsideration is requested.

In rejecting claims 8-11 and 15-18, the Examiner asserts that the claims, as presently written, contain subject matter which was not described in the specification in such a way as to enable one skilled in the art to make/use the invention. Applicants respectfully submit that the subject matter of the claims is supported by the specification in such a way as to enable one skilled in the art to make/use the invention. However, for the sole purpose of expediting prosecution, Applicants hereby amend the specification and claims, replacing the term “shift register” with “register,” rendering a more semantically accurate description of the present invention. Accordingly, Applicants respectfully submit that the presently amended claims are now more fully enabled by the specification.

The rejection of claims 1, 2, 5, 6, 12, 13, and 19 under 35 U.S.C. § 102(e) as being anticipated by Kwon is respectfully traversed and reconsideration is requested.

Claim 1 is allowable over Kwon in that claim 1 recites a combination of elements including, for example “sequentially supplying a first scanning signal to consecutive ones of a plurality of gate lines; sequentially supplying a second scanning signal to consecutive ones of the plurality of gate lines, wherein at least one gate line is between a gate line supplied with the first scanning signal and a gate line supplied with the second scanning signal; and supplying data synchronized with said first scanning signal and said second scanning signal to a plurality of data lines crossing with the plurality of gate lines.” Kwon fails to teach, either expressly or inherently, at least these features of the claimed invention. Accordingly, Applicant respectfully submits that claim 2, which depends from claim 1, is also allowable over Kwon.

Claim 5 is allowable over Kwon in that claim 5 recites a combination of elements including, for example “a gate driver sequentially scanning said plurality of gate lines, said scanning including sequentially supplying a first scanning signal and a second scanning signal to non-adjacent ones of the plurality of said gate lines; a scanning signal supplier supplying said first scanning signal and said second scanning signal to said gate driver; and a data driver supplying data to the plurality of said data lines, wherein the supplied data is synchronized with said first scanning signal and said second scanning signal.” Kwon fails to teach, either expressly or inherently, at least these features of the claimed invention. Accordingly, Applicant respectfully submits that claim 6, which depends from claim 5, is also allowable over Kwon.

Claim 12 is allowable over Kwon in that claim 12 recites a combination of elements including, for example “providing a scanning signal supplier supplying first and second scanning signals to a gate driver, said gate driver sequentially scanning said gate lines, said scanning including supplying said first and second scanning signals to non-adjacent ones of said gate lines; and supplying data to the plurality of said data lines, wherein the supplied data is synchronized with said first and second scanning signals.” Kwon fails to teach, either expressly or inherently, at least these features of the claimed invention. Accordingly, Applicant respectfully submits that claim 13, which depends from claim 12, is also allowable over Kwon.

Claim 19 is allowable over Kwon in that claim 19 recites a combination of elements including, for example “sequentially supplying first and second scanning signals to a plurality of consecutively arranged gate lines in a liquid crystal panel having a plurality of liquid crystal cells arranged in a matrix.” Kwon fails to teach, either expressly or inherently, at least these features of the claimed invention.

Application No.: 10/025,906
Amendment dated May 5, 2004
Reply to non-final Office Action dated January 5, 2004

Docket No.: 8733.527.00-US

The rejection of claims 3, 4, 7, and 14 under 35 U.S.C. § 103(a) as being unpatentable over Kwon in view of Inoue et al. is respectfully traversed and reconsideration is requested.


Claims 3, 4, 7, and 14 variously include all of the elements of claims 1, 5, and 12, as discussed above, and Kwon fails to teach or suggest at least the features of independent claims 1, 5, and 12 as recited above. Similarly, Inoue et al. fails to cure the deficiencies of Kwon. Accordingly, Applicants respectfully submit that the Examiner has not established a *prima facie* case of obviousness regarding claims 3, 4, 7, and 14 in view of claims 1, 5, and 12, as above.

If the Examiner deems that a telephone conversation would further the prosecution of this application, the Examiner is invited to call the undersigned at (202) 496-7500.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Dated: May 5, 2004

Respectfully submitted,

By 
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FIG.9

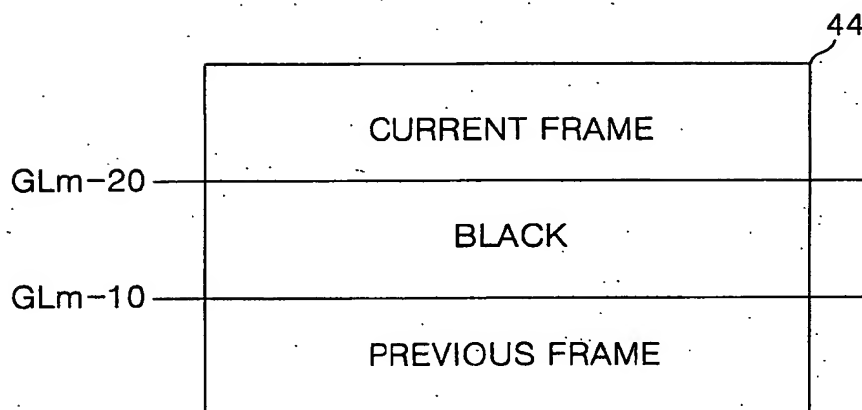


FIG.10

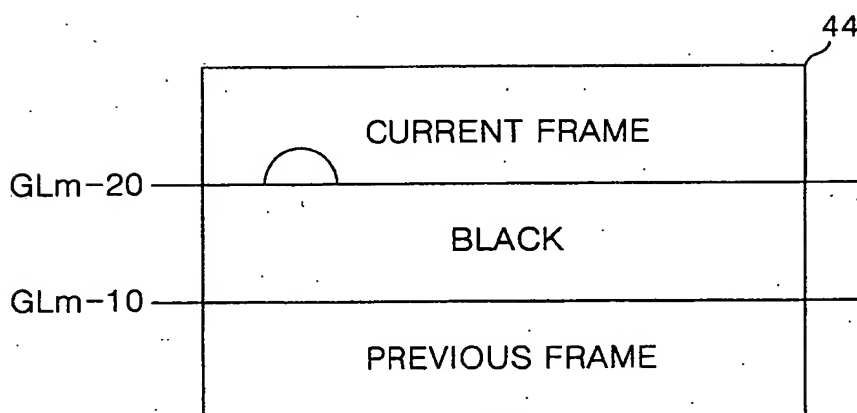




FIG.9

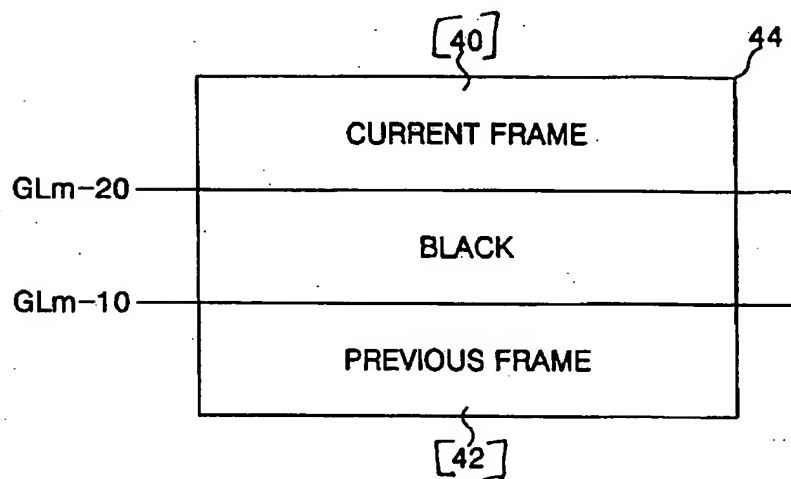
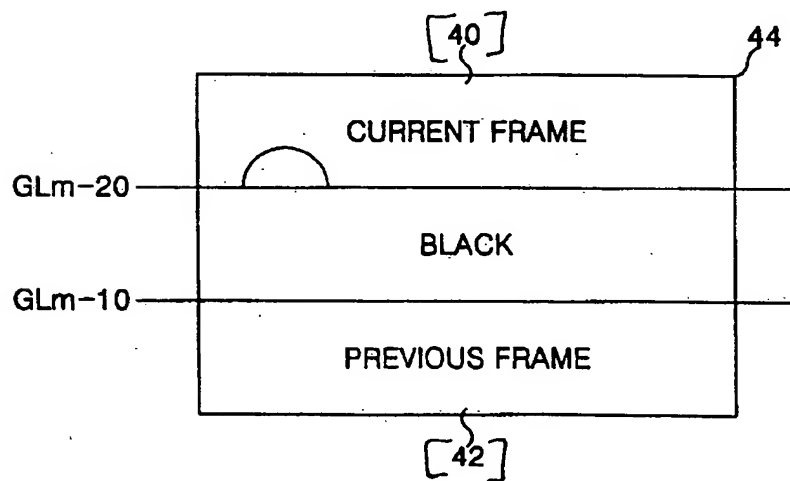


FIG.10



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